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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,930	06/29/2005	Waho Oh	1152-0320PUS1	8713

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EXAMINER

NGUYEN, MY XUAN

ART UNIT PAPER NUMBER

2617

DATE MAILED: 12/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/540,930	<b>Applicant(s)</b> OH, WAHO	
	<b>Examiner</b> My X. Nguyen	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The submission of the information disclosure statement(s) on 06/29/2005 and 09/28/2005 are in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner (see attached PTO-1449).

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,580,704 B1 (Wellig et al.).

Regarding claim 1, Wellig et al. discloses a wireless LAN access point connected to a public wireless access network (Figs. 1 & 9, Col. 6 Lines 56-59);

Art Unit: 2617

a first mobile communication terminal connectable to the wireless LAN access point and having a first wireless LAN interface (Figs. 1 & 9, Col. 6 Lines 65-67 & Col. 7 Lines 1-6); and

a second mobile communication terminal connectable to the public wireless access network, connectable to the first mobile communication terminal by way of the first wireless LAN interface and having a second wireless LAN interface (Figs. 1 & 9, Col. 6 Lines 65-67 & Col. 7 Lines 1-6), characterized in that

the first mobile communication terminal includes: a communication status detecting means that detects the strength of the received signal from the wireless LAN access point and/or the status of communication with the wireless LAN access point (Col. 7 Lines 23-26);

a connection request transmitting means for transmitting a connection request signal to the second mobile communication terminal by way of the wireless LAN access point and the public wireless access network when the communication status detecting means recognizes the necessity of connection to the second mobile communication terminal by way of the first wireless LAN interface and the second wireless LAN interface (Col. 7 Lines 40-50 & Col. 11 Lines 1-2); and

a wireless LAN connection switching means for establishing connection to the second wireless LAN interface of the second mobile communication terminal when the communication status detecting means determines that communication with the second mobile communication terminal by way of the second wireless LAN interface will be permitted (Col. 8 Lines 56-62), and

Art Unit: 2617

the second mobile communication terminal includes: a connection request receiving means for receiving the connection request signal (Figs. 6 & 7, Col. 10 Lines 47-48 & Col. 11 Lines 9-11) ; and

a base station connecting means which establishes connection to the public wireless access network and validates the second wireless LAN interface upon reception of the connection request signal, so as to enable its connection with the first mobile communication terminal by way of the first wireless LAN interface and the second wireless LAN interface (Col. 5 Lines 21-25 & Col. 11 Lines 27-32).

Regarding claim 2, Wellig et al. discloses the second wireless LAN interface of the second mobile communication terminal has a wireless LAN access point or wireless LAN client function (Figs. 1 & 9, Col. 6 Lines 65-67 & Col. 7 Lines 1-6), and when the communication status detecting means determines that the first mobile communication terminal can be connected by means of the wireless LAN access point or wireless LAN client function of the second mobile communication terminal, the wireless LAN connection switching means establishes connection to the wireless LAN access point or wireless LAN client function of the second mobile communication terminal, in infrastructure mode or in ad hoc mode (Figs. 1 & 9).

***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

U.S. Patent 6,922,728 B2 (Cho) discloses an optimal internet network connecting and roaming system and method adapted for user moving outdoors or indoors.

U.S. Patent 6,681,259 B1 (Lemilainen et al.) discloses a method for coupling a wireless terminal to a data transmission network and a wireless terminal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to My X. Nguyen whose telephone number is (571) 272-2835. The examiner can normally be reached on Monday through Friday at 8:00AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571) 272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

M.X.N.  
11/29/2006

  
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